



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090490

Mode: Highway

Status: Submitted

(New Route - Macy Grove Road Extension)

From/Cross Street: SR 1005 (East Mountain Street)

Specific Improvement Type: 5 - Construct Roadway on New Location

To: NC 150 (North Main Street)

Project Category: Division Needs

Length: 1.67

TIP#: U-4734

Fully Funded in Draft STIP? No

Cost to NCDOT: \$15,554,000

Description:

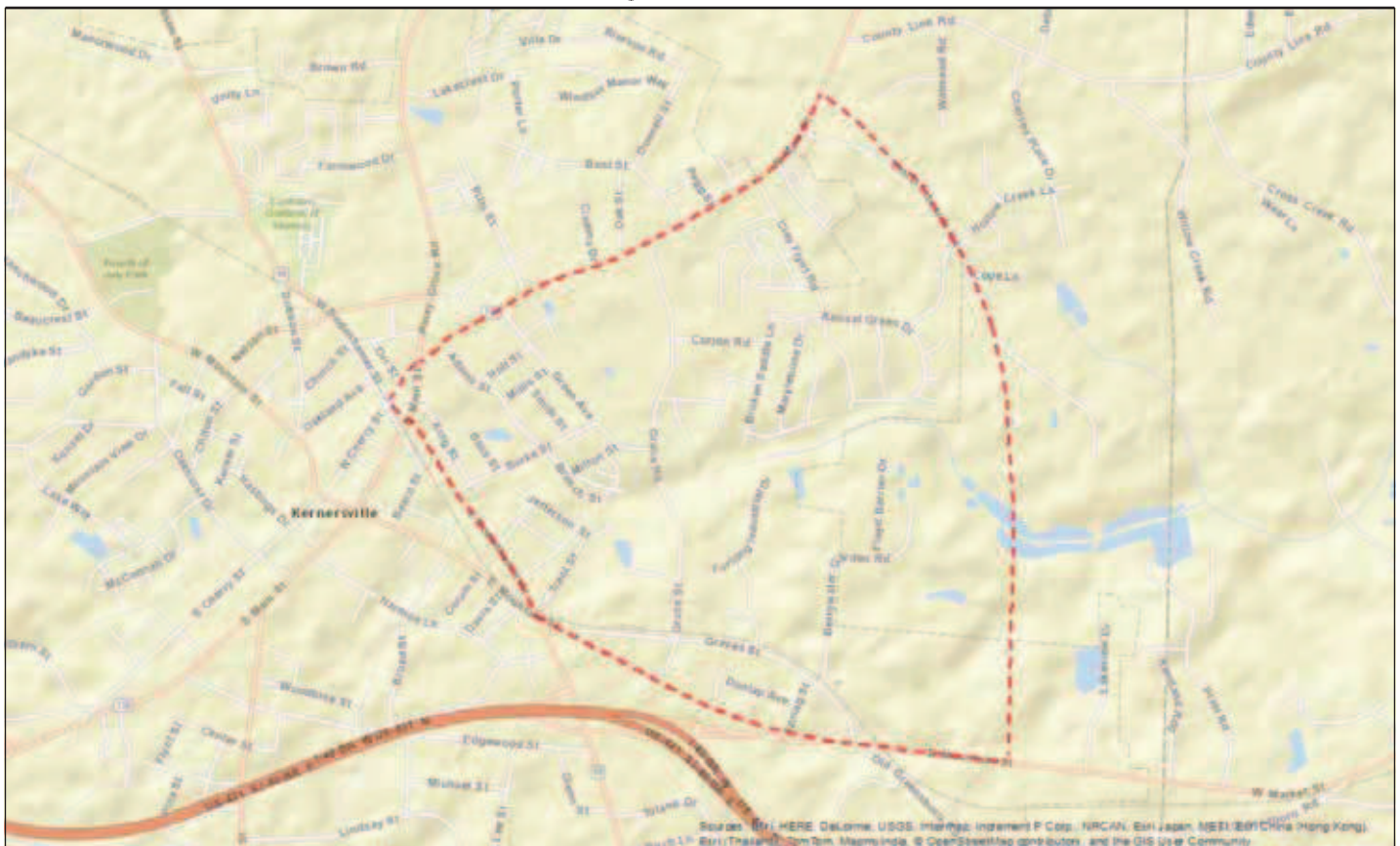
Construct Multi-Lanes on New Location

Division(s): Division 9

County(s): FORSYTH

MPOS(s)/RPO(s): Winston Salem Urban Area MPO

Project Location



Statewide Mobility Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Totals: Weight: 0% Weighted Score: 0	N/A	N/A

Regional Impact Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Totals: Weight: 0% Weighted Score: 0	Percent: 15% Points: 0	Percent: 15% Points: 0

Division Needs Total Score: 68.35

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 51.88	Percent: 25% Points: 100	Percent: 25% Points: 100
Safety (10%) 62.83		
[Travel Time] Benefit/Cost (20%) 8.45		
Totals: Weight: 50% Weighted Score: 18.35		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	38
Length (miles):	2.4
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Minor Arterial
Terrain Type:	Rolling
Lane Width:	11
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	Yes
Volume (AADT):	12361.16
Capacity:	15800.24
Volume/Capacity Ratio:	0.78
% Autos:	94%
% Trucks:	6%
Truck Volume:	741.31
Crash Density:	77.66
Crash Severity:	43.09
Critical Crash Rate:	67.76
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	3
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	20
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	67
Actual Congested Speed:	33.24
Travel Time Index:	1.1

Project Benefits

Project Cross-Section:	4C - 4 Lane Divided (23' Raised Median) with Curb & Gutter, Wide Outside Lanes, and Sidewalks
Speed Limit:	40
Length (miles):	1.67
Facility Type:	Arterial
Access Control:	Partial
Functional Classification:	Minor Arterial
Terrain Type:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	5825891.97
Travel Time Savings for 30 Years (Autos):	5476506.45
Travel Time Savings for 30 Years (Trucks):	349385.52
Long-Term Employment:	
% Change in Economy:	
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	No
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 9

* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT Online tool and associated databases.

Project Ownership**Division**

Division	Percent	Regional Impact	Division Needs
Division 9	100%	0	100
	0%	0	0
	0%	0	0
TOTAL Division Points		0	100

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Winston Salem Urban Area MPO	100%	0	100
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		0	100

Project Cost and Source

Construction Cost:	\$11,400,000	TIP Unit
Right-of-Way Cost:	\$4,000,000	TIP Unit
Utilities Cost:	\$154,000	TIP Unit
Total Project Cost:	\$15,554,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$15,554,000	